

DT- 6760  
Control No. 309,136

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Armin Conrad, et al.  
SERIAL NO.: 10/773,475  
FILED: February 5, 2004  
FOR: GAS FRICTION PUMP  
EXAMINER: Dwayne J. White Group: 3745

Mail Stop: **AMENDMENT**  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

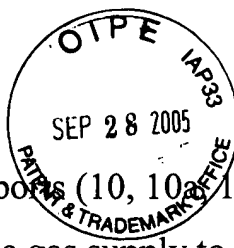
Sir:

Pursuant to 37 CFR §§ 1.97 and 1.98, applicant respectfully requests that the documents listed on the attached form PTO-1449, be made of record and considered in connection with the examination of this application. Copies of the listed documents are enclosed. A translation of the foreign language document(s) is not readily available.

The documents submitted herewith were cited in a Search Report (copy enclosed) issued in a European application corresponding to the above-referenced application.

U.S. Patent No. 5,380,171 (corresponds to German Publication DE 43 27 506 cited in the Search Report) discloses a turbo vacuum pump.

Germany Publication DE 37 16 221 discloses a turbomolecular pump including a rotor (1) supported in gas bearings (3,4,5) and supported in the housing



by ball supports (10, 10a, 12, 10b) which provide for rotation of the rotor when the pressure of a gas supply to one of the gas bearings (4,5,7) diminishes.

French Patent No. 1,475,765 discloses a turbomolecular pump with a high-speed rotor supported radially by an electromagnetic support (10, 12, 12a) and an electromagnetic bearing (20)

Patent Abstract of Japan JP-07217586 A discloses a turbo vacuum pump.

A check in the amount of \$180 to cover the fee required under 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,

Alexander Zinchuk

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Dated: September 28, 2005  
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This correspondence is being deposited with the United States Postal Service on September 28, 2005 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **ER 843 205 122 US** addressed to the Honorable Commissioner for Patents, Alexandria, VA 22313-1450.

Alexander Zinchuk  
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Form PTO-1449  
(Rev. 7-80)U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket Control No.  
309,136 (DT-6760)Serial No.  
10/773,475LIST OF RELEVANT ART CITED BY APPLICANT  
(Use several sheets if necessary)

Applicant Armin Conrad, et al.

Filing Date  
February 5, 2004Group  
3745

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5	3	8	0	1	7	1	1/1995	Nagaoka, et al.			
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												

## FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation YES NO	
	AL	3	7	1	6	2	2	1	11/1987	Germany				X
	AM	1	4	7	5	7	6	5	2/1967	France				X
	AN													
	AO													
	AP													

## OTHER RELATED ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Patent Abstract of Japan JP-07 217 586, August 1995
	AS		Search Report
	AT		

Examiner

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.